GARAGE DOORS

WIŚNIOWSKI

GATES | WINDOWS | DOORS | FENCES

SECTIONAL DOORS
UniTherm

Intended use: The sectional garage door is intended for use in private residential buildings. It was developed in response to the requirements of energy-efficient and passive buildings. The warm INNOVO panel with a thickness of 60 mm and a sealing system makes it possible to save energy. Heat losses have been eliminated even in the most affected areas.

THERMAL INSULATION

The unique design of the INNOVO 60 mm panel ensures a low thermal transmittance factor. Steel panels are made of galvanized sheet, filled with freon-free, hardened polyurethane foam and coated with polyester paint on both sides. This ensures very good thermal insulation and acoustic properties.

SAFETY

Safety systems focus on minimizing all traces of risk. Regardless of the method of operation, WIŚNIOWSKI doors ensure comfort, safety, and security. Our products are fully compliant with the PN-EN 13241 standard.

FUNCTIONALITY

UniTherm doors are available with three track types. This makes it possible to install them even when installation conditions are limited. A properly selected track type enables you to take advantage of all the benefits that our door has to offer, regardless of whether the door is installed in newly built or refurbished buildings.

STRUCTURE

The sectional door is installed behind the opening, it opens vertically upwards, and does not take up any space in the driveway. Sectional doors let you use the space available in front of the door and inside the building to its maximum potential. The load-bearing structure and tracks are made of galvanized steel elements. Optionally, painting in RAL 9002 is available. Thanks to numerous safety systems, our doors are safe at every stage of opening and closing, regardless of the method of operation: manual or automatic.

The leaf weight is perfectly balanced thanks to the use of a torsion spring system. Springs are preselected with computer precision and guarantee the best balancing of the door, maximum comfort, and safety of use. The INNOVO 60 mm thick panels are designed so as to prevent fingers from being crushed. Another safety element is a panel joint cover system, which also serves as additional sealing and improves the door aesthetics. The door is fitted with double guiding rollers with bearings, which ensure proper guiding of the door leaf, while a dedicated profile of the tracks prevents derailing.

Large dimension gates are additionally reinforced with special elements that increase the rigidity of the entire structure. Additional steel reinforcements come in the panel's interior colour and are terminated with plastic caps. Door panels are coated with high quality polyester paints. This provides optimum protection against the weather conditions and ensures many years of operation. Thanks to the vast range of colours, WIŚNIOWSKI garage doors can be easily matched to the building's façade. WIŚNIOWSKI doors are an investment that stands the test of time.

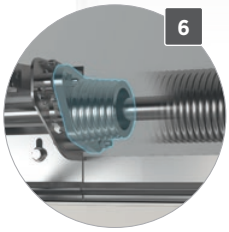
1 **Automatic operating units**
Proven and reliable METRO Smart io, MOTO io or SPARK drive units.

2 **Drive shaft and springs**
Spring system responsible for balancing out the door leaf weight. The guaranteed minimum number of cycles: 25,000.

3 **Tracks and opening frames**
Made of galvanized sheet, they provide a stable and durable structure.

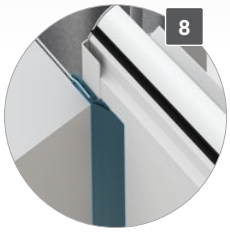
4 **Panel hardware in the RAL 9002 colour**
The colour matches the panel colour on the inside.

5 **Plastic opening frame foot**
Corrosion protection and an additional anchoring point to the garage floor



Integrated spring break safety device

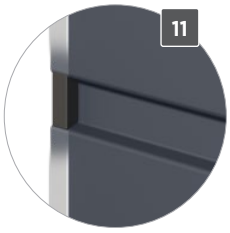
Additional sealing in the top aluminum profile



Double-lip circumferential seal
Used as standard, it ensures improved sealing of the door.

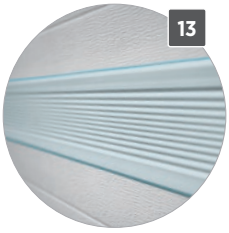
Double guiding rollers with bearings
They ensure proper running of the door leaf.

Special panel shape
They prevent fingers from being crushed.



Rib infill elements
As standard, for even better leaf tightness

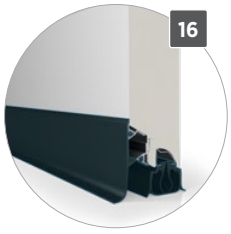
Photocells
They prevent uncontrolled door leaf operation when an obstacle is present within the clear passage – optional accessory.



Flexible panel joint covers
Provide additional sealing and protection, cover the hinges, and elegantly finish off the door leaf.

Cable break safety device
Prevents the door leaf from dropping if a cable breaks – standard in all UniTherm doors.

Overload afety device
In automatic doors; the door leaf stops and reverses when the bottom edge contacts an obstacle.



Double bottom gasket
High quality EPDM gaskets perfectly adapt to the shape of the floor and prevent water from penetrating under the door to the inside of the garage.

PANEL STRUCTURE

Robust and reliable design

Thanks to our robust and reliable design, you can rest assured that the door will meet even the most extreme requirements and withstand the most demanding operating conditions. Our purpose-designed original 60 mm thick INNOVO panel which features a **5-ply** sheet bending system is manufactured in-house and ensures good thermal and acoustic insulation, as well as durability and safety. The panel is made of galvanized steel sheet, infilled with freon-free polyurethane foam. The top section is fitted with a lip gasket and a flexible cover is provided on the inside between the panels. The internal side of the panel in the RAL 9002 colour.
Panel heat transfer coefficient Up=0.33 W/m^{2}K.

RIB TYPES

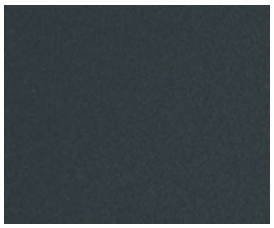
G – without ribs

W – high ribs

TEXTURES

Smoothgrain

Sandgrain

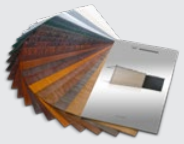


Silkline

AVAILABLE COLOURS:

Anthracite sandgrain	**Graphite RAL 7016** silkline	**Black RAL 9005** silkline	**Silver RAL 9006** silkline	**White RAL 9016** silkline	**Golden Oak** smoothgrain
Walnut smoothgrain	**Anthracite Grey** 701605-167 smoothgrain	**Cream white** 137905-167 smoothgrain	**Dark Green** 612505-167 smoothgrain	**Metbrush silver** F436-1002 smoothgrain	**Silbergrau** 116700 smoothgrain
White 915205-168 smoothgrain	**Chocolate Brown** 887505-1167 smoothgrain	**Anthracite Quartz** 436-1014 smoothgrain	**AnTEAK** 3241002-195 smoothgrain	**Dark Oak** 2052089-167 smoothgrain	**Swamp Oak** 3167004-167 smoothgrain
Summer Cherry 3214009-195 smoothgrain	**Macore** 3162002-167 smoothgrain	**Oregon** 1192001-167 smoothgrain	**Sapeli** 2065021-167 smoothgrain	**Siena noce** 49237 PN smoothgrain	**Siena PL** 49254-015 smoothgrain
Siena rosso 49233 PR smoothgrain	**Winchester** 49240 XA smoothgrain	**Black Cherry** 3202001-167 smoothgrain	**Natural Oak** 3118076-1168 smoothgrain	**Douglas Fir** 3152009-1167 smoothgrain	**Rustic Oak** 3149008-167 smoothgrain
Sheffield oak light F 456-3081 smoothgrain	**Sheffield oak grey** F 436-3086 smoothgrain	**Brush schwarzbraun** F436-1023 smoothgrain	**Earl platin** 119500 smoothgrain	**Black ulti-mat** PX47097 smoothgrain	**Woodec Turner Oak Malt** F4703001 smoothgrain
Woodec Sheffield Oak Alpine F4703002 smoothgrain	**Woodec Sheffield Oak Concrete** F4703003 smoothgrain	**Umbragrau** F436-6065 smoothgrain	**Fenstergrau** F436-6066 smoothgrain	**Cremeweiss** F456-6001 smoothgrain	**Anthrazitgrau** F436-6003 smoothgrain
Dark grey silk 4367003 smoothgrain	**Golden Oak** 2178001-167 smoothgrain	**Walnut** 2178007-167 smoothgrain	**Anthracite Quartz Matt** F4701014 smoothgrain	**Woodec Turner Oak Toffee** F4703004 smoothgrain	**Irish Oak** 3211305-1148 smoothgrain
Sable Noir 2100 silkline	**Avellino Corten** F476-9084 smoothgrain	**Goldbronze** F446-1025 smoothgrain	**Stone beige** F470-1028 smoothgrain		

Our paint range includes over 200 colours from the RAL palette.

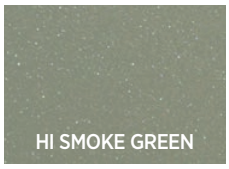


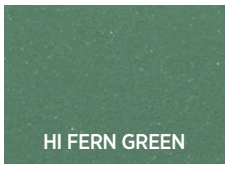
Film coatings available with garage doors with the panel:
G - without ribs, W - with high ribs

HOME INCLUSIVE 2.0 colours

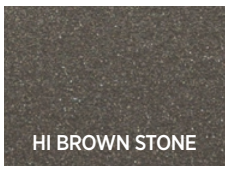
The Home Inclusive 2.0 colour collection combines four product groups: Gates | Windows | Doors | Fences, which provide a consistent design of all the products.

HIEARTH

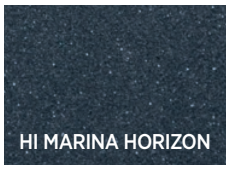




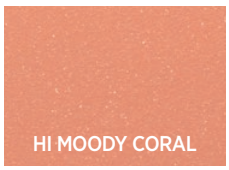
HISTONE

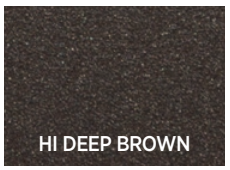


HISTEEL

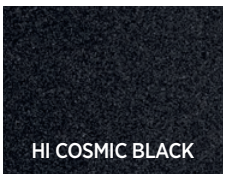


HIRUBY





Special colours from the HI palette:



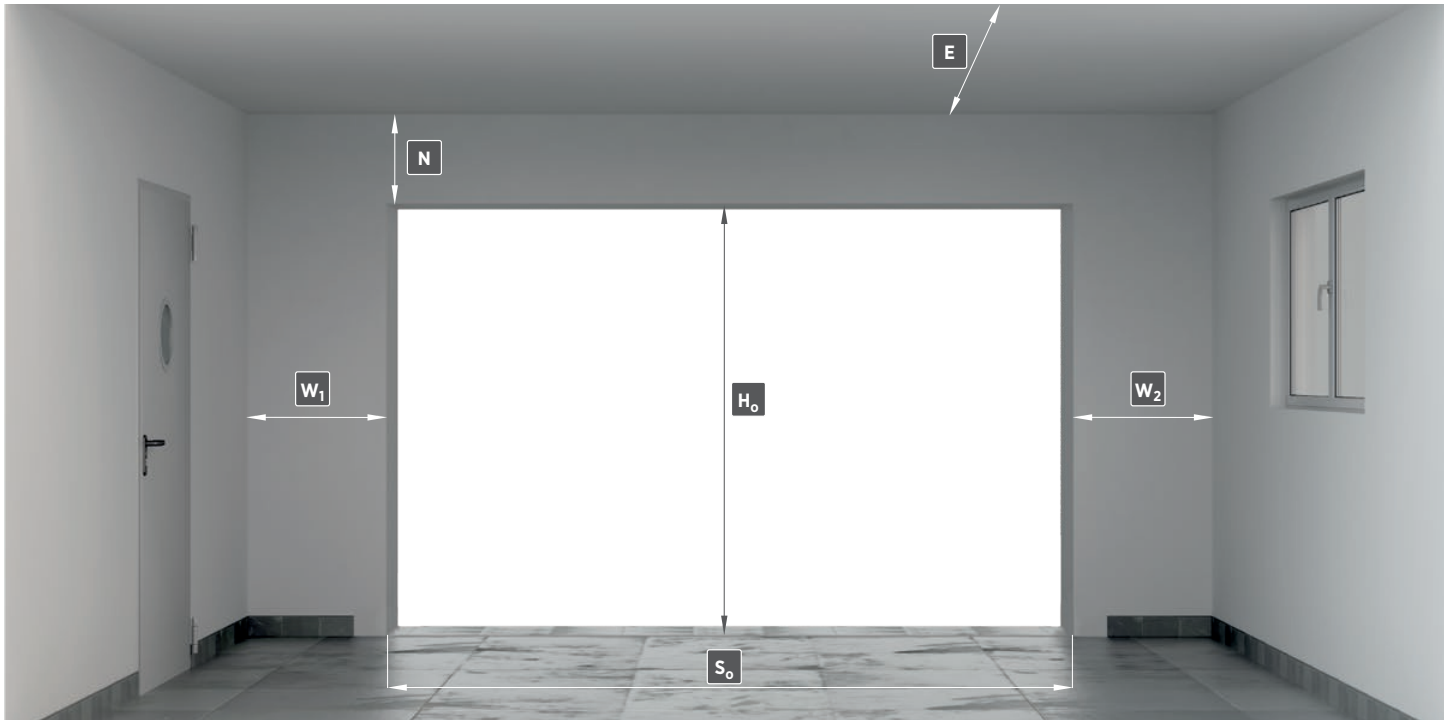
Doors in light colours should be fitted on the side exposed to sunlight. It is not recommended to fit dark colour doors in such conditions, in particular RAL: 3007, 4006, 4007, 5004, 5008, 5010, 5011, 5020, 5022, 6008, 6009, 6015, 6022, 7015, 7016, 7021, 7024, 7026, 7043, 8014, 8019, 8022, 9004, 9005, 9011, 9017, 9021, Anthracite, Walnut, Macore, Dark Oak, Swamp Oak, Siena Noce, Siena Rosso, Quartz Anthracite, Summer Cherry, Sapeli, Dark Green, Sheffield Oak Brown, Rustic Oak, Chocolate Brown, Black Ulti-Mat, Brush Schwarzbraun, Umbragrau, Anthrazitgrau. When a dark colour is chosen for doors installed on the side exposed to sunlight, the panels can heat up, which may result in deformation. The door leaf cannot be painted from the inside. When ordering doors in matching colours in different orders (supply batches), the colour hues can differ due to technological reasons.

U THERMAL TRANSMITTANCE FACTOR [W/m²K]

Door height in [m] \ Door width in [m]	2,250	2,375	2,400	2,500	2,600	2,750	3,000	3,250	3,500	3,750	4,000	4,250	4,500	4,750	5,000	5,500	6,000
2,000	1,1	1,1	1,1	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1,0	1,0	1,0	0,99	0,99	0,98	0,97
2,100	1,1	1,1	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,98	0,97	0,97	0,96	0,95
2,125	1,1	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,98	0,97	0,97	0,96	0,95	0,95
2,200	1,1	1,0	1,0	1,0	1,0	1,0	1,0	0,99	0,99	0,98	0,97	0,96	0,96	0,95	0,95	0,94	0,93
2,250	1,1	1,0	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,97	0,96	0,95	0,95	0,94	0,94	0,93	0,92
2,375	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,97	0,96	0,95	0,94	0,93	0,93	0,92	0,92	0,91	0,90
2,500	1,1	1,1	1,1	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1,0	0,99	0,99	0,98	0,98		
2,625	1,1	1,1	1,1	1,1	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,97	0,97				
2,750	1,1	1,0	1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,97	0,96	0,96	0,95				
2,875	1,0	1,0	1,0	1,0	1,0	1,0	0,98	0,97	0,96	0,95	0,95	0,94	0,93				
3,000			1,0	1,0	0,99	0,98	0,97	0,96	0,95	0,94	0,93	0,92					
3,250			1,0	1,0	1,0	1,0	1,0	0,99	0,98	0,97	0,96						
3,500					1,0	0,99	0,97	0,96	0,95								

U thermal transmittance factor [W/m²K] of the UniTherm sectional doors (INNOVO 60 [mm] panel)
The thermal transmittance factors are provided for doors without additional circumferential seals.

INSTALLATION DIMENSIONS



- S_o – opening width, ordering dimension
- H_o – opening height, ordering dimension
- N – minimum required lintel height
- W_1 – minimum required side clearance
- W_2 – minimum required side clearance
- E – minimum garage depth with clearance under the ceiling

TRACKS

Sp tracks

Torsion springs installed in the front by the lintel, garage door with double horizontal tracks.

Minimum garage door dimensions:

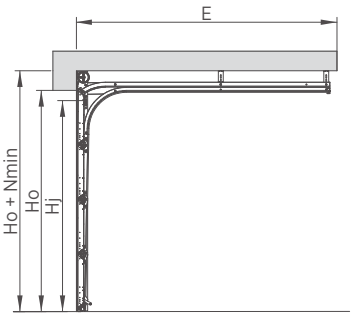
- S_o = 2000 [mm] and H_o = 1800 [mm] – garage doors type G , W

Available range of dimensions for tracks

Opening height(1) (H_o) in [mm] up to	**Opening width**(1) (S_o) in [mm] up to																
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5500	6000
2000																	
2100																	
2125																	
2200																	
2250																	
2375																	
2500																	
2625																	
2750																	
2875																	
3000																	
3250																	
3500																	

(1) - Ordering dimension.

Installation dimensions



UniTherm		SSp
Sj		S_O - 40 [mm]
Hj	Manual	H_O - 280 [mm]
	Manual + catcher	H_O - 140 [mm]
	With the MOTO drive	H_O - 100 [mm]
	With the METRO drive	H_O - 100 [mm]
W_{1min}, W_{2min}		110 [mm]
E_{min}	Manual	H_O + 400 [mm]
	With the MOTO drive	L_S + 300 [mm]
	With the METRO drive	L_S + 410 [mm]
	With the SPARK drive	L_S + 363 [mm]
L_S	With the MOTO drive	2900 [mm] for Ho ≤ 2250; 3500 [mm] for Ho > 2250 and Ho ≤ 2850; 4500 [mm] for Ho > 2850 [mm]
	With the METRO drive	
	With the SPARK drive	3288 [mm] for Ho ≤ 2250; 3831 [mm] for Ho > 2250 and Ho ≤ 2750; 4384 [mm] for Ho > 2751 and Ho ≤ 3250; 4927 [mm] for Ho > 3251 [mm]

Minimum required lintel height

Standard garage door height [mm]	**N_{min}** [mm]	
	Manual	With the MOTO, METRO, SPARK drive
2000	200	200
2100	200	200
2125	200	200
2200	220	220
2250	200	200
2375	200	200
2500	200	200
Custom garage door height	200	200

So – opening width, ordering dimension. Sj – clear passage width after garage door installation **Ho – opening height, ordering dimension.** Hj – clear passage height after garage door installation. N – minimum required lintel height. W1 – minimum required side clearance. W2 – minimum required side clearance. E – minimum garage depth with clearance under the ceiling. Ls – drive rail length.

St tracks

Torsion springs installed at the end of the horizontal tracks, garage door with double horizontal tracks.

Minimum garage door dimensions:

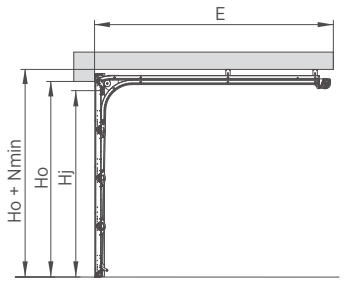
- S_O = 2000 [mm] and H_O = 1800 [mm] - garage doors type □□G , □□W

Available range of dimensions for tracks

Opening height(1) (H_o) in [mm] up to	**Opening width**(1) (S_o) in [mm] up to															
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5500
2000																
2100																
2125																
2200																
2250																
2375																
2500																
2625																
2750																
2875																
3000																

(1) - Ordering dimension.

Installation dimensions



UniTherm		**SSt**
Sj		S_O - 40 [mm]
Hj	Manual	H_O - 190 [mm]
	Manual + catcher	H_O - 140 [mm]
	With the MOTO drive	H_O - 140 [mm]
	With the METRO drive	H_O - 140 [mm]
W_{1min}, W_{2min}		110 [mm]
E_{min}	Manual	H_O + 750 [mm]
	With the MOTO drive	L_S + 300
	With the METRO drive	L_S + 410
	With the SPARK drive	L_S + 363 [mm]
L_S	With the MOTO drive	2900 [mm] for $H_O \leq 2250$; 3500 [mm] for $H_O > 2250$ and $H_O \leq 2850$; 4500 [mm] for $H_O > 2850$ [mm]
	With the METRO drive	
	With the SPARK drive	3288 [mm] for Ho ≤ 2250; 3831 [mm] for Ho > 2250 and Ho ≤ 2750; 4384 [mm] for Ho > 2751 [mm]

Minimum required lintel height

Door standard height [mm]	**N_{min}** [mm]			
	Manual	With the MOTO drive	With the MOTO drive	With the SPARK drive
2000	105	140	140	150
2100	105	140	140	150
2125	105	140	140	150
2200	115	150	150	160
2250	105	140	140	150
2375	105	140	140	150
2500	105	140	140	150
Door non-standard height	105	140	140	150

So – opening width, ordering dimension. Sj – clear passage width after garage door installation. **Ho – opening height, ordering dimension.** Hj – clear passage width after garage door installation. N – minimum required lintel height. W_1 – minimum required side clearance. W_2 – minimum required side clearance. E – minimum garage depth with clearance under the ceiling. Ls – drive rail length.

Sj tracks

Torsion springs installed in the front by the lintel, garage door with double horizontal tracks (active and passive reinforcing track).

Minimum garage door dimensions:

- S_O = 2000 [mm] and H_O = 1800 [mm] - garage doors type ☐☐G, ☐☐W

Available range of dimensions for tracks

Opening height(1) (H_O) w [mm] do	**Opening width**(1) (S_O) in [mm] up to															
	2250	2375	2400	2500	2600	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5500
2000																
2100																
2125																
2200																
2250																
2375																
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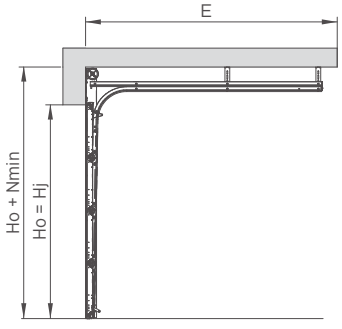
2625																
2750																
2875																
3000																
3250																
3500																

(1) - Ordering dimension.

Installation dimensions



UniTherm		**SSj**
Sj		So - 40 [mm]
Hj	Manual	—
	Manual + catcher	Ho
	With the MOTO drive	Ho
	With the METRO drive	110 [mm]
W_{1min}, W_{2min}		Ho + 400 [mm]
E_{min}	Manual	Ls + 300 [mm]
	With the MOTO drive	Ls + 410 [mm]
	With the METRO drive	Ls + 363 [mm]
	With the SPARK drive	L_S + 363 [mm]
L_S	With the MOTO drive	2900 [mm] for Ho ≤ 2250; 3500 [mm] for Ho > 2250 and Ho ≤ 2850; 4500 [mm] for Ho > 2850 [mm]
	With the METRO drive	
	With the SPARK drive	3288 [mm] for Ho ≤ 2250; 3831 [mm] for Ho > 2250 and Ho ≤ 2750; 4384 [mm] for Ho > 2751 and Ho≤ 3250; 4927 [mm] for Ho > 3251 [mm]

Minimum required lintel height

Door standard height [mm].	**N_{min}** [mm]	
	Manual	With the MOTO, METRO, SPARK drive
2000	400	400
2100	400	400
2125	400	400
2200	410	410
2250	400	400
2375	400	400
2500	400	400
Custom garage door height	400	400

So – opening width, ordering dimension. Sj – clear passage width after garage door installation. **Ho – opening height, ordering dimension.** Hj – clear passage width after garage door installation. N – minimum required lintel height. W_1 – minimum required side clearance. W_2 – minimum required side clearance. E – minimum garage depth with clearance under the ceiling. Ls – drive rail length.

OPTIONAL ACCESSORIES

LOCK/HANDLE

The lock is fitted with a single-side lock cylinder, the lock cylinder is accessible from the outside (three keys), from the inside the lock is operated with a latch.
The lock for manually-operated and power-operated UniTherm doors is available as an optional accessory.
A plastic handle with a cover plate type PVC-1 or KL-2 is fitted on the outside of the door leaf. A black plastic handle is installed on the inside. The KL-2 handle is available in the following colours:
• **MAT** – RAL 9005 (black), RAL 9016 (white), RAL 8014 (brown),
• **GLOSS** – RAL 9006 (silver), RAL 1036 (gold), RAL 1035 (pearl beige), RAL 7048 (pearl mouse grey).

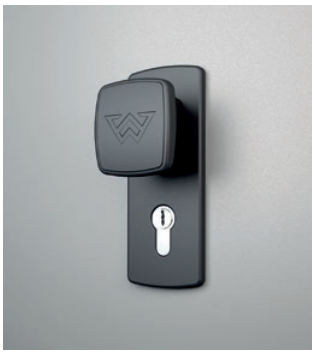

KL-2 handle, colour: RAL 9006


KL-2 handle, colour: RAL 1036


KL-2 handle, colour: RAL 1035


KL-2 handle, colour: RAL 7048


KL-2 handle, colour: RAL 9016

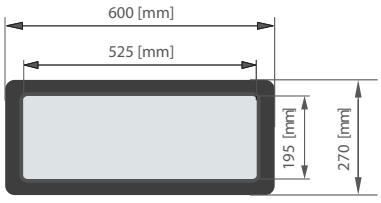

KL-2 handle, colour: RAL 9005


KL-2 handle, colour: RAL 8014

AUTOMATIC DEADBOLTING WITH A LOCK

The set includes: a lock, steel cable, panel handle. The lock with a bolting system can be coupled with a drive unit which automatically deadbolts the door once its closed. This applies only to the UniTherm SSp automatic doors with So ≤ 5,500 [mm].

PORTHOLES/GLAZING



Type A-1 – made of triple, clear acrylic glass, rough frame surface. The external frame is available in RAL 7016, RAL 8003, RAL 8011, RAL 8014, RAL 8017, RAL 9005, RAL 9016. The internal frame is always white. Internal/external frame made of PVC. External dimensions of the frame 600 x 270 mm. Light transmission 86%.

OPTIONAL ACCESSORIES

DECORATIVE MOTIFS

The decorative motifs are made of stainless steel with a satin finish or powder-coated steel in the RAL 9005 colour. Located vertically on the garage door – on the left or on the right. Available for the typical dimensions of UniTherm doors with a panel without ribs (G).

Type Ap-1

Type Ap-2

Type Ap-3

Type Ap-4

Type Ap-5

Type Ap-6

Horizontal decorative motifs in stainless steel or copper-clad steel are installed in ribs and joints on the bottom and middle panels. Available only with the W rib for the top panel. Available for garage doors with the W and G ribs and in Silkline, Smoothgrain, and Sandgrain structures.

For garage doors with the following widths:

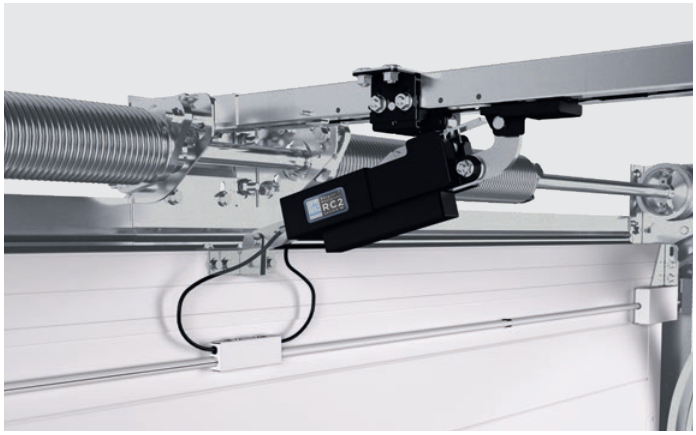
AP-7 stainless steel		**AP-7 copper-clad steel**	
So [mm]	Number of decorative motif elements	So [mm]	Number of decorative motif elements
2,981 – 5,500	**2**	**2,281 – 4,780**	**2**
> 5,501	**3**	**> 4,780**	**3**

The decorative element pieces on one garage door are joined at the same garage door width. Cannot be used in garage doors when matched to a garage door with a wicket.

Type Ap-7 in garage doors with panels without ribs

Type Ap-7 in garage doors with panels with high ribs

RC2 ANTI-BURGLARY KIT



The anti-burglary kit provides an RC2 class burglary protection (confirmed with a certificate issued by the IFT notified body in Rosenheim, Germany).
Available with automatic gates equipped with a METRO or MOTO drive.
The kit includes:
- automatic locking mechanism,
- reinforced deadbolt system,
- deadbolt plates,
- safeguard preventing the carriage from being unlocked,
- track bumper.

LED LIGHTING UNDER THE TRACKS AND TRACK CONNECTOR

It is often the case that the lighting installed in the garage does not provide enough light. Sometimes, older garages do not have any lighting at all. LED lighting mounted under the tracks and track connector makes it possible to illuminate the room, guaranteeing low energy consumption. Easy installation, long-lasting LED diodes, and compatibility with the METRO Smart io and SPARK drive units (the SPARK automation set additionally includes the RELAY transmitter) ensure everyday convenience.

TOP PANEL TILT

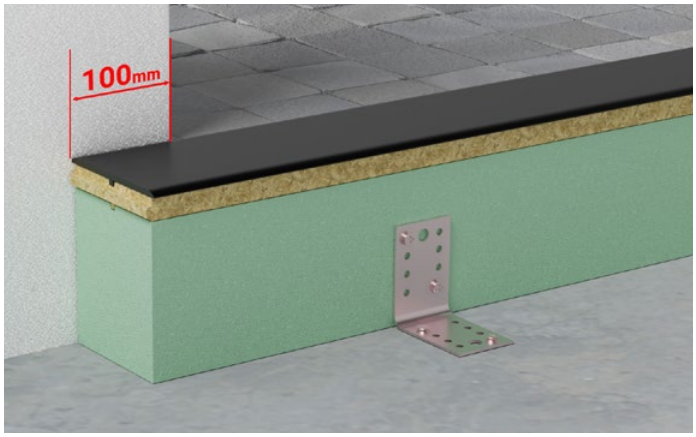
The kit makes it possible to tilt the top panel without the need to lift the door. The bottom panel remains seated against the floor. Top panel tilt for ventilation or airing of the garage is available with the following automatic garage doors fitted with the METRO Smart io, MOTO io and SPARK drive unit:
- UniTherm SSp,
- UniTherm SSt.

The kit includes:
- 2 brackets for garage doors with S < 4,500 [mm],
- 4 brackets for garage doors with S ≥ 4,500 [mm].

DIFFERENT COLOUR OF THE STRUCTURE AND GUIDES

Option to order painting of the UniTherm door structure in RAL 9002 available. Painted elements: frames, tracks, fascia panel, track connector, suspension bar bracket, safety and shaft bracket, and track corners.

WARM THRESHOLD OF A SECTIONAL GARAGE DOOR



The threshold is made of condensed polyurethane foam, a recycled PET material with a density of 115 kg/m^3, and an EPDM gasket. Available in sets consisting of a specific number of thresholds measuring 1,190x220x100 [mm], a gasket, and installation accessories (steel angle bars, anchors, and fixing screws). To install the threshold, installation adhesive, gasket adhesive, and polyurethane foam must be used – they are not included in the sets.

Width (So)	Set contents
up to 3,370 [mm]	**3 thresholds + gasket 3,600x110x5 [mm] + installation accessories**
3371 – 4560 [mm]	**4 thresholds + gasket 4,800x110x5 [mm] + installation accessories**
4561 – 5750 [mm]	**5 thresholds + gasket 6,000x110x5 [mm] + installation accessories**
5751 – 6000 [mm]	**6 thresholds + gasket 7,200x110x5 [mm] + installation accessories**

Installation behind the opening is recommended; the threshold should extend 100 [mm] behind the wall reveal.
In the case of using a warm threshold,
the Ho dimension should be reduced by 5 [mm] (height of the gasket) when ordering the garage door.

ADDITIONAL SEALING

Thermal seal

Finishing thermal seal

As standard, the UniTherm doors feature a double-lip perimeter seal. It is possible to equip the UniTherm door with additional **thermal gaskets** that isolate the steel elements of the structure from the wall surface, or with **finishing thermal gaskets** that provide an aesthetic finish for an insulated garage opening by eliminating the gap between the insulation and the door leaf surface – while further improving the door's sealing performance.

AUTOMATIC OPERATING UNIT KITS

The METRO Smart io, MOTO io, and SPARK series drive units are dedicated for garage doors and ensure full functionality and overload protection as standard.
The EXTENDED CARE warranty allows you to extend the standard warranty for a complete product – an automatic sectional door – up to 5 years, provided it is factory-configured with the METRO Smart io, MOTO io, or SPARK drive unit.

5 YEARS WARRANTY EXTENDED CARE
on automatic garage doors with the **METRO, MOTO** and **SPARK** drive unit
WIŚNIOWSKI

	Drive unit type	METRO smart io	MOTO io	SPARK
				
Technical data	Power supply / Motor	220-230V, 50/60Hz / 24V DC	220-230V, 50/60Hz / 24V DC	220-240V, 50/60Hz / 24V DC
	Force	800N / 1000N	600N / 750N / 1000N	600N / 800N / 1100N
	Power consumption (power-saving mode)	< 0,5 W	< 0,5 W	< 1 W
	Efficiency	30%	30%	40%
	Track	single, steel	single, steel	split, steel
	Transmission	chain or belt*	chain or belt*	carriage
	Speed	max. 14 cm/s	max. 14 cm/s	max.: 18 / 24 / 21 / 18 cm/s
	Central control unit	integrated	integrated	integrated
	Radio receiver	io-homecontrol; integrated: 868-870 MHz	io-homecontrol; integrated: 868-870 MHz	WIŚNIOWSKI; integrated: 868 MHz
	Radio receiver storage:	30 transmitters	30 transmitters	40 transmitters
	Two-way radio transmission	yes	yes	yes
	Auto selection of operating parameters	yes	yes	yes
	Limit switches	encoder + mechanical bumper	encoder + mechanical bumper	encoder + mechanical limit switch
	Emergency uncoupling	yes	yes	yes
	Application	sectional / up and over	sectional / up and over	sectional / up and over
	Operating conditions	-20°C /+60°C ; IP20	-20°C /+60°C – in a dry room	-25°C /+65°C – in a dry room
	Wicket door opening sensor	yes	yes	yes
	Rotating automatic operating unit head	yes	yes	no
	Warranty	5 years	5 years	5 years
Functionality	Obstacle detection	yes	yes	yes
	Obstacle detection adjustment	4 adjustment levels	4 adjustment levels	4 adjustment levels
	Action following obstacle detection	stop and full opening	stop and full opening	stop and partial opening
	Photocells	yes	yes	yes
	Automatic closing	60 sec. / 120 sec. or after photoc.	yes, only with TaHoma Pro	yes / max. 240 sec.
	Release in end position	yes	yes	yes
	Low energy consumption mode	yes	yes	yes
	Independent exterior lighting	yes / 230V, 500 W	no	no
	Exterior lighting control	yes	no	no
	Auxiliary warning light	yes / 24V, 15 W	yes / 24V, 15W	yes / 24V, 25W
	Delayed drive unit light switch off	yes / fixed – 60 s	yes / fixed – 30 s	yes / fixed – 30 s
	Independent lighting control in the drive unit	yes	yes	yes
	Emergency power supply	yes	yes	yes
	Display / LEDs	no / yes	no / yes	no / yes
	Partial opening of the door – slightly open	yes	yes	yes
	Information about a fault	yes, LEDs	yes, LEDs	yes, LED
	Smart home	yes, io-homecontrol technology[1]	yes, io-homecontrol technology[1]	yes[2][3]
	Control via the app	TaHoma switch	TaHoma switch	WIŚNIOWSKI Connected

[1] – standard, wireless Smart Home, TaHoma switch required; [2] – standard, wireless Smart Home based on Wi-Fi, no additional central control unit required; [3] – option for wired Smart Home systems, CONNEX and OUTPUT boards or RELAY transmitter required for full functionality; [4] – RELAY transmitter required; * Extra charge.

io-homecontrol is a modern, safe, and reliable radio technology by Somfy, which lets you control your devices compatible with the smart home concept. Thanks to this technology, the drive unit not only receives commands from the controllers, but it can also send feedback. The io-homecontrol technology makes it possible to connect the METRO Smart io and MOTO io drive units to the TaHoma system to provide additional functions, connecting the garage door with smart devices available at home.

WIŚNIOWSKI 868 MHz is a modern SOMloq2 two-way radio system for controlling garage doors and entrance gates. Thanks to this technology, the drive unit not only receives commands from the transmitters, but it can also send feedback. The SPARK automatic operating units were also equipped with a wi-fi module, which makes it possible to control the gate from an application installed on a mobile device, giving the drive unit additional functionality.

OPTIONAL ACCESSORIES

WALL-MOUNTED TRANSMITTER

The 3-channel transmitter makes it possible to control drive units and wireless receivers. Examples of use:

- - full opening/closing the door,
- - LED lighting under the tracks, and/or under the track fastener,
- - top panel tilt.

Wireless communication makes it possible to install it in any place and doesn't require any cables.

KEYPAD 2 CODE KEYPAD

The 2-channel code keypad makes it possible to control drive units and wireless receivers.

EXTERNAL RADIO RECEIVER io

Makes it possible to control the drive units of other manufacturers using the Pulsar transmitter. It is a two-channel device which makes it possible to program as many as 32 transmitters.

BACKUP POWER SUPPLY BATTERY

When connected to the METRO Smart io and MOTO io drive, it provides power for several cycles of emergency operation.

MECHANICAL CARRIAGE LOCK

It is an additional safeguard which increases garage door safety when mounted to the carriage.

SIGNAL LIGHT

Supports the METRO Smart io and MOTO io drive units. Warning function. Orange blinking light indicates that the door is operating.

EXTERNAL CODE KEYPAD

The single-channel device can be used to control the garage door with a code. For outdoor installation, requires cabling.

PHOTOCELLS

They prevent uncontrolled door leaf movement when an obstacle is present within the clear passage.

OPTIONAL ACCESSORIES FOR THE SPARK AUTOMATIC OPERATING UNITS

2CH WALL-MOUNTED TRANSMITTER

2-channel device which lets you control both your drive units and radio receivers.
Communication between the transmitter and the receiver occurs wirelessly, so the device can be mounted in any place.
The wall-mounted transmitter has a feedback function that informs the user about the position of the door using a LED.

WIŚNIOWSKI 868 RADIO RECEIVER

It makes it possible to control other drive units with the DART and DART Vibe transmitters, and the wall-mounted transmitter.
The radio receiver is a two-channel device operating at the frequency of 868 MHz, making it possible to program up to 40 transmitters.

DART/ DART VIBE REMOTE CONTROL TRANSMITTER

The transmitter makes it possible to control the operation of several drive units. The DART Vibe transmitter has a feedback function in the form of vibration, which is a confirmation that the signal from the transmitter was received.

ENTRAcode+ CODE KEYPAD

Compatible with the WIŚNIOWSKI 868 MHz radio receiver.
Control of up to five devices. Power supply: 4 X AA 1.5[V] batteries. IP 54 protection rating. Up to 30 m range.
ENTRAcode+ is a wireless device that does not require any wiring and is designed for surface mounting.

PHOTOCELLS 180

Prevent uncontrolled door leaf movement when an obstacle is present within the clear passage.

SIGNAL LIGHT

Connected to the SPARK drive unit, it has a warning function. Orange blinking light indicates that the door is operating.

CONEX – INPUT BOARD

Additional board with signal, impulse inputs, whose inputs were defined for opening and closing.
Compatible with wired Smart Home systems.

OUTPUT – SIGNAL BOARD

Additional board with a signal input. Information about the position of the door: door not open (NO)/door not closed (NC).
Compatible with wired Smart Home systems.

LOCK – MOTOR LOCK

A magnetic lock which blocks the drive unit in any position of the door. An additional element able to withstand loads up to 300 kg, increasing door safety.

ACCU – EMERGENCY POWER SUPPLY BATTERY

Connected to the SPARK drive unit, it provides power for several cycles of emergency operation in case of the main power supply outage.

RELAY – ADDITIONAL TRANSMITTER

An additional transmitter with the NO/NC output enabling e.g. switching on lights in the garage and external lights or other electrical devices.

GALLERY

UniTherm | Walnut | smoothgrain

UniTherm | RAL 9016 | silkline

TECHNICAL DATA

	UniTherm
Leaf	A panel made of steel sheet galvanized and polyester coated on both sides, infilled with high density PU foam g=42 kg/m³ without HCFC. 60 mm thick panel with a 5-ply sheet bending system n the handle installation area.
Minimum number of cycles	25 000
Thermal transmittance factor U of the panel [W/m²xK]	0,33
Watertightness class	2 in accordance with PN-EN 13241 p.4.4.2
Wind load resistance class	4 in accordance with PN-EN 13241 p.4.4.3
Air permeability class	5 in accordance with PN-EN 13241 p.4.4.6
Sound reduction index Rw [dB] without a wicket door / with a wicket door	24 in accordance with PN-EN ISO 717-1: 2020
Safeguards	Special shape of the panel preventing fingers from getting crushed, safeguard preventing torsion springs from breaking (on each spring). spring break safety device, flexible panel joint covers. Option: photocells.
Optional accessories	Various track types, electric drive unit, thermal gaskets, finishing thermal gaskets, decorative motifs, sealing threshold, auxiliary lock, photocells, transmitter, C2, LED lighting under the tracks and track connector, top panel tilt.
Maximum width / height of the door [mm]	6000 / 3500
Available panel rib designs	high ribs, without ribs,
Available panel structures	smoothgrain, sandgrain, silkline
Available colours:	other RAL, special colours, including wood imitating colours, (film coated panels)
Track type	Sp, St, Sj

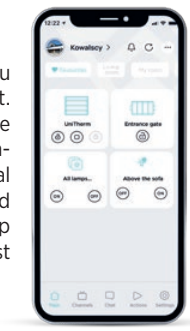
CONTROL THE GARAGE DOOR WITH YOUR SMARTPHONE!

TaHoma – Your smart home

The io-homecontrol® system with radio transmission makes it possible to wirelessly connect the METRO Smart io and MOTO io drive units to the smart home controlled by Somfy's TaHoma Switch central control unit. Building a comprehensive smart home provides a number of benefits and additional features that enhance your comfort every single day. The app gives you constant access to the most important functions of the elements of your home.

The WIŚNIOWSKI Connected app – new quality as standard

When you choose WIŚNIOWSKI Connected, you don't need a smart home central control unit. WIŚNIOWSKI garage doors with the SPARK drive unit are ready to connect as standard – you can connect them to the smart home without any additional devices or extra charges. WIŚNIOWSKI Connected uses Wi-Fi instead of radio transmission and the app allows you to control the garage door from almost any place in the world.



WIŚNIOWSKI

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See other solutions from WIŚNIOWSKI!